Appl. No. 10/613,055
Amdt. dated August 16, 2005
Reply to Office Action of May 17, 2005

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

      1.   (currently amended) A method of providing access to an information unit by a wireless unit, the method comprising:

      providing a first position information containing an access enabled area for the wireless unit, the access enabled area falling within a range of communicable area of a wireless access point;

      obtaining a second position information containing a current position of the wireless unit;

      if the current position of the wireless unit is within the access enabled area for the wireless unit according to the first and second position information, then permitting access to the information unit by the wireless unit; and

      if the current position of the wireless unit is outside the access enabled area for the wireless unit according to the first and second position information, then denying access to the information unit by the wireless unit even if the current position of the wireless unit is within the range of communicable area of the access point.

      2.   (original) The method of claim 1 wherein the first position information contains a plurality of access enabled areas which fall within the range of communicable area of one or more wireless access points, and wherein if the current position of the wireless unit is within one of the access enabled areas, then permitting access to the information unit by the wireless unit.

      3.   (original) The method of claim 2 wherein the first position information contains a first access enabled area which falls within the range of communicable area of a first wireless access point, the first position information including a GPS position of the first access enabled area and a height of the first wireless access point; wherein the second

position information includes as the current position of the wireless unit a GPS position information of the wireless unit and a height of the wireless access point through which the wireless unit is evaluated for access to an information unit; and wherein the current position of the wireless unit is within the first access enabled area of the wireless unit if the current position is within the first access enabled area in both the GPS position information and the height.

4.   (original) The method of claim 3 wherein if the current position of the wireless unit is within one of the access enabled areas, a same scope of access to the information unit by the wireless unit is permitted without regard to which of the access enabled areas within which the current position of the wireless unit is.

5.   (original) The method of claim 1 wherein the second position information is obtained from the wireless unit.

6.   (original) The method of claim 1 wherein the wireless access point is a radio LAN access point.

7.   (original) The method of claim 1 wherein permitting access comprises adding the wireless unit to an access origination unit list.

8.   (original) The method of claim 7 further comprising periodically obtaining the second position information and, if the current position of the wireless unit is outside the access enabled area for the wireless unit, then removing the wireless unit from the access origination unit list.

9.   (original) The method of claim 1 further comprising monitoring the second position information of the wireless unit and, if the current position of the wireless unit is outside the access enabled area for the wireless unit, then denying access the information unit by the wireless unit.

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10.   (currently amended) A system for providing access to an information unit by a wireless unit, the system comprising:

a memory including a first position information containing an access enabled area for the wireless unit, the access enabled area falling within a range of communicable area of a wireless access point;

a position module configured to obtain a second position information containing a current position of the wireless unit; and

an access module configured, if the current position of the wireless unit is within the access enabled area for the wireless unit according to the first and second position information, to permit access to the information unit by the wireless unit, and, if the current position of the wireless unit is outside the access enabled area for the wireless unit according to the first and second position information, to deny access to the information unit by the wireless unit even if the current position of the wireless unit is within the range of communicable area of the access point.

11.   (original) The system of claim 10 wherein the first position information contains a plurality of access enabled areas which fall within the range of communicable area of one or more wireless access points, and wherein if the current position of the wireless unit is within one of the access enabled areas, then permitting access to the information unit by the wireless unit.

12.   (original) The system of claim 11 wherein the access module is configured, if the current position of the wireless unit is within one of the access enabled areas, to permit a same scope of access to the information unit by the wireless unit without regard to which of the access enabled areas within which the current position of the wireless unit is.

13.   (original) The system of claim 10 wherein the wireless access point is a radio LAN access point.

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14.	(original)	The system of claim 10 wherein the access module is configured, if the current position of the wireless unit is within one of the access enabled areas, to permit access to the information unit by the wireless unit by adding the wireless unit to an access origination unit list in the memory.

15.	(original)	The system of claim 14 wherein the access module is configured to periodically obtain the second position information and, if the current position of the wireless unit is outside the access enabled area for the wireless unit, to remove the wireless unit from the access origination unit list.

16.	(original)	The system of claim 10 wherein the access module is configured to monitor the second position information of the wireless unit and, if the current position of the wireless unit is outside the access enabled area for the wireless unit, to deny access the information unit by the wireless unit.

17.	(currently amended)	[[In a]] A computer readable medium storing a program used for providing access to an information unit by a wireless unit, the program comprising:

code for providing a first position information containing an access enabled area for the wireless unit, the access enabled area falling within a range of communicable area of a wireless access point;

code for obtaining a second position information containing a current position of the wireless unit;

code for, if the current position of the wireless unit is within the access enabled area for the wireless unit according to the first and second position information, permitting access to the information unit by the wireless unit; and

code for, if the current position of the wireless unit is outside the access enabled area for the wireless unit according to the first and second position information, denying access to the information unit by the wireless unit even if the current position of the wireless unit is within the range of communicable area of the access point.

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18.   (currently amended) The [[program]] <u>medium</u> of claim 17 wherein the code for permitting access comprises code for, if the current position of the wireless unit is within one of the access enabled areas, permitting a same scope of access to the information unit by the wireless unit is permitted without regard to which of the access enabled areas within which the current position of the wireless unit is.

19.   (currently amended) The [[program]] <u>medium</u> of claim 17 wherein the code for permitting access comprises code for adding the wireless unit to an access origination unit list.

20.   (currently amended) The [[program]] <u>medium</u> of claim 19 further comprising code for periodically obtaining the second position information and, if the current position of the wireless unit is outside the access enabled area for the wireless unit, then removing the wireless unit from the access origination unit list.

21.   (currently amended) The [[program]] <u>medium</u> of claim 17 further comprising code for monitoring the second position information of the wireless unit and, if the current position of the wireless unit is outside the access enabled area for the wireless unit, then denying access the information unit by the wireless unit.

22.   (currently amended) A method of providing access to an information unit by a wireless unit, the method comprising:
        providing a first position information containing an access enabled area for the wireless unit;
        obtaining a second position information containing a current position of the wireless unit;
        if the current position of the wireless unit is within the access enabled area for the wireless unit <u>according to the first and second position information</u>, then permitting access to the information unit by the wireless unit; and
        if the current position of the wireless unit is outside the access enabled area for the wireless unit <u>according to the first and second position information</u>, then denying access

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to the information unit by the wireless unit even if the current position of the wireless unit is within the range of communicable area of the access point.